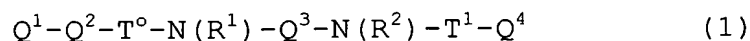


## CLAIMS

1. A compound represented by the following formula  
(1):

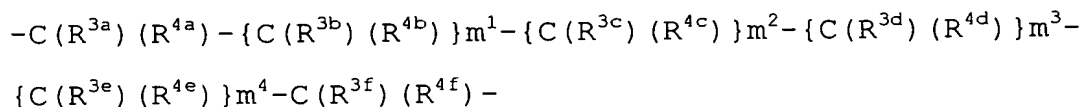


5 [wherein,  $R^1$  and  $R^2$  each independently represents a hydrogen atom, hydroxyl group, alkyl group or alkoxy group;

$Q^1$  represents a saturated or unsaturated, 5- or 6-membered cyclic hydrocarbon group which may have a  
10 substituent, a saturated or unsaturated, 5- to 7- membered heterocyclic group which may have a substituent, a saturated or unsaturated, bicyclic or tricyclic fused hydrocarbon group which may have a substituent, or a saturated or unsaturated, bicyclic or tricyclic fused  
15 heterocyclic group which may have a substituent;

$Q^2$  represents a single bond, a linear or branched alkylene group having 1 to 6 carbon atoms, a linear or branched alkenylene group having 2 to 6 carbon atoms, a linear or branched alkynylene group having 2 to 6 carbon  
20 atoms, a saturated or unsaturated, 5- or 6-membered divalent cyclic hydrocarbon group which may have a substituent, a saturated or unsaturated, 5- to 7-membered divalent heterocyclic group which may have a substituent, a saturated or unsaturated, divalent bicyclic or tricyclic  
25 fused hydrocarbon group which may have a substituent, or a saturated or unsaturated, divalent bicyclic or tricyclic fused heterocyclic group which may have a substituent;

$Q^3$  represents the following group:



(in which,  $R^{3a}$ ,  $R^{3b}$ ,  $R^{3c}$ ,  $R^{3d}$ ,  $R^{3e}$ ,  $R^{3f}$ ,  $R^{4a}$ ,  $R^{4b}$ ,  $R^{4c}$ ,  $R^{4d}$ ,  $R^{4e}$

5 and  $R^{4f}$  each independently represents a hydrogen atom, hydroxyl group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, cyano group, cyanoalkyl group, amino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may have a substituent, acylaminoalkyl group, alkoxy group, alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxy carbonyl group, alkoxy carbonylalkyl group, alkoxy carbonylalkylamino group, carboxyalkylamino group, 15 alkoxy carbonylamino group, alkoxy carbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group thereof, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s thereof, N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxy carbamoyl group, N-alkyl-N-alkoxy carbamoyl group, N-alkoxy carbamoylalkyl group, N-alkyl-N-alkoxy carbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 25 alkyl groups, alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may have a substituent, carbamoylalkyl group, N-

alkylcarbamoylealkyl group which may have a substituent on  
 the alkyl group(s) thereof, N,N-dialkylcarbamoylealkyl  
 group which may have a substituent on the alkyl group(s)  
 thereof, carbamoyleoxyalkyl group, N-alkylcarbamoyleoxyalkyl  
 5 group, N,N-dialkylcarbamoyleoxyalkyl group, 3- to 6-  
 membered heterocyclic carbonylalkyl group which may have a  
 substituent, 3- to 6-membered heterocyclic  
 carbonyloxyalkyl group which may have a substituent, aryl  
 group, aralkyl group, 3- to 6-membered heterocyclic group  
 10 which may have a substituent, 3- to 6- membered  
 heterocyclic alkyl group which may have a substituent,  
 alkylsulfonylamino group, arylsulfonylamino group,  
 alkylsulfonylaminoalkyl group, arylsulfonylaminoalkyl  
 group, alkylsulfonylaminocarbonyl group,  
 15 arylsulfonylaminocarbonyl group,  
 alkylsulfonylaminocarbonylalkyl group,  
 arylsulfonylaminocarbonylalkyl group, carbamoyleoxy group,  
 aralkyloxy group, carboxyalkyloxy group,  
 alkoxycarbonylalkyloxy group, acyloxy group, acyloxyalkyl  
 20 group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl  
 group, carboxyalkylsulfonyl group, alkoxycarbonylacyl  
 group, alkoxyalkyloxycarbonyl group, hydroxyacyl group,  
 alkoxyacyl group, halogenoacyl group, carboxyacyl group,  
 aminoacyl group, acyloxyacyl group, acyloxyalkylsulfonyl  
 25 group, hydroxyalkylsulfonyl group, alkoxyalkylsulfonyl  
 group, 3- to 6-membered heterocyclic sulfonyl group which  
 may have a substituent, 3- to 6-membered heterocyclic oxy

group which may have a substituent, N-alkylaminoacyl group,  
 N,N-dialkylaminoacyl group, N,N-dialkylcarbamoyleyl group  
 which may have a substituent on the alkyl group(s) thereof,  
 N,N-dialkylcarbamoylelalkylsulfonyl group which may have a  
 5 substituent on the alkyl group(s) thereof,  
 alkylsulfonylacyl group, N-arylcarbamoylel group, N-(3-  
 membered to 6-membered) heterocyclic carbamoylel group, N-  
 alkyl-N-arylcarbamoylel group, N-alkyl-N-(3-membered to 6-  
 membered) heterocyclic carbamoylel group, N-  
 10 arylcarbamoylelalkyl group, N-(3-membered to 6-membered)  
 heterocyclic carbamoylelalkyl group, N-alkyl-N-  
 arylcarbamoylelalkyl group, N-alkyl-N-(3- to 6-membered)  
 heterocyclic carbamoylelalkyl group, aminocarbothioyl group,  
 N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl  
 15 group, alkoxyalkyl(thiocarbonyl) group, alkylthioalkyl  
 group or N-acyl-N-alkylaminoalkyl group, or the  
 combination of  $R^{3a}$  and  $R^{4a}$ ,  $R^{3b}$  and  $R^{4b}$ ,  $R^{3c}$  and  $R^{4c}$ ,  $R^{3d}$  and  
 $R^{4d}$ ,  $R^{3e}$  and  $R^{4e}$ , or  $R^{3f}$  and  $R^{4f}$  may be coupled to form a  
 spiro ring having 3 to 6 carbon atoms, or represent an oxo  
 20 group;  $m^1$ ,  $m^2$ ,  $m^3$  and  $m^4$  each independently represents 0 or  
 1);

$Q^4$  represents an aryl group which may have a  
 substituent, an arylalkenyl group which may have a  
 substituent, an arylalkynyl group which may have a  
 25 substituent, a heteroaryl group which may have a  
 substituent, a heteroarylalkenyl group which may have a  
 substituent, a saturated or unsaturated, bicyclic or

tricyclic fused hydrocarbon group which may have a substituent, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may have a substituent;

5             $T^0$  represents a group  $-(CH_2)n^1-$  (in which,  $n^1$  stands for an integer of from 1 to 3), carbonyl or thiocarbonyl group; and

$T^1$  represents a group  $-C(=O)-C(=O)-N(R')-$ , group  $-C(=S)-C(=O)-N(R')-$ , group  $-C(=O)-C(=S)-N(R')-$ , group  $-C(=S)-C(=S)-N(R')-$  (in which,  $R'$  represents a hydrogen atom, hydroxyl group, alkyl group or alkoxy group), group  $-C(=O)-A^1-N(R'')$  (in which,  $A^1$  represents an alkylene group having 1 to 5 carbon atoms, which may have a substituent, and  $R''$  represents a hydrogen atom, hydroxyl group, alkyl group or alkoxy group), group  $-C(=O)-NH-$ , group  $-C(=S)-NH-$ , group  $-C(=O)-NH-NH-$ , group  $-C(=O)-A^2-C(=O)-$  (in which,  $A^2$  represents a single bond or alkylene group having 1 to 5 carbon atoms), group  $-C(=O)-A^3-C(=O)-NH-$  (in which,  $A^3$  represents an alkylene group having 1 to 5 carbon atoms), group  $-C(=O)-C(=NOR^a)-N(R^b)-$ , group  $-C(=S)-C(=NOR^a)-N(R^b)-$  (in which,  $R^a$  represents a hydrogen atom, alkyl group or alkanoyl group, and  $R^b$  represents a hydrogen atom, hydroxyl group, alkyl group or alkoxy group), group  $-C(=O)-N=N-$ , group  $-C(=S)-N=N-$ , group  $-C(=NOR^c)-C(=O)-N(R^d)-$  (in which,  $R^c$  represents a hydrogen atom, alkyl group, alkanoyl group, aryl group or aralkyl group, and  $R^d$  represents a hydrogen atom, hydroxyl group,

10

15

20

25

alkyl group or alkoxy group), group  $-C(=N-N(R^e)(R^f))-C(=O)-N(R^g)-$  (in which,  $R^e$  and  $R^f$  each independently represents a hydrogen atom, alkyl group, alkanoyl group or alkyl(thiocarbonyl) group, and  $R^g$  represents a hydrogen atom, hydroxyl group, alkyl group or alkoxy group), group  $-C(=O)-NH-C(=O)-$ , group  $-C(=S)-NH-C(=O)-$ , group  $-C(=O)-NH-C(=S)-$ , group  $-C(=S)-NHC(=S)-$ , group  $-C(=O)-NH-SO_2-$ , group  $-SO_2-NH-$ , group  $-C(=NCN)-NH-C(=O)-$ , group  $-C(=S)-C(=O)-$  or thiocarbonyl group]; or salt thereof, solvate thereof, or N-oxide thereof.

2. A compound or salt thereof, solvate thereof or N-oxide thereof according to Claim 1, wherein the group  $Q^4$  in the formula (1) is a group selected from a phenyl group which may have a substituent, a naphthyl group which may have a substituent, an anthryl group which may have a substituent, a phenanthryl group which may have a substituent, a styryl group which may have a substituent, a phenylethynyl group which may have a substituent, a pyridyl group which may have a substituent, a pyridazinyl group which may have a substituent, a pyradinyl group which may have a substituent, a furyl group which may have a substituent, a thienyl group which may have a substituent, a pyrrolyl group which may have a substituent, a thiazolyl group which may have a substituent, an oxazolyl group which may have a substituent, a pyrimidinyl group which may have a substituent, a tetrazolyl group which may have a substituent, a thienylethenyl group which

may have a substituent, a pyridylethenyl group which may have a substituent, an indenyl group which may have a substituent, an indanyl group which may have a substituent, a tetrahydronaphthyl group which may have a substituent, a  
5 benzofuryl group which may have a substituent, an isobenzofuryl group which may have a substituent, a benzothienyl group which may have a substituent, an indolyl group which may have a substituent, an indolinyl group which may have a substituent, an isoindolyl group  
10 which may have a substituent, an isoindolinyl group which may have a substituent, an indazolyl group which may have a substituent, a quinolyl group which may have a substituent, a dihydroquinolyl group which may have a substituent, a 4-oxodihydroquinolyl group  
15 (dihydroquinolin-4-on) which may have a substituent, a tetrahydroquinolyl group which may have a substituent, an isoquinolyl group which may have a substituent, a tetrahydroisoquinolyl group which may have a substituent, a chromenyl group which may have a substituent, a  
20 chromanyl group which may have a substituent, an isochromanyl group which may have a substituent, a 4H-4-oxobenzopyranyl group which may have a substituent, a 3,4-dihydro-4H-4-oxobenzopyranyl group which may have a substituent, a 4H-quinolizinyll group which may have a  
25 substituent, a quinazolinyl group which may have a substituent, a dihydroquinazolinyl group which may have a substituent, a tetrahydroquinazolinyl group which may have

a substituent, a quinoxaliny1 group which may have a  
substituent, a tetrahydroquinoxaliny1 group which may have  
a substituent, a cinnoliny1 group which may have a  
substituent, a tetrahydrocinnoliny1 group which may have a  
5 substituent, an indoliziny1 group which may have a  
substituent, a tetrahydroindoliziny1 group which may have  
a substituent, a benzothiazoly1 group which may have a  
substituent, a tetrahydrobenzothiazoly1 group which may  
have a substituent, a benzoxazoly1 group which may have a  
10 substituent, a benzoisothiazoly1 group which may have a  
substituent, a benzoisoxazoly1 group which may have a  
substituent, a benzimidazoly1 group which may have a  
substituent, a naphthyridiny1 group which may have a  
substituent, a tetrahydronaphthyridiny1 group which may  
15 have a substituent, a thienopyridyl group which may have a  
substituent, a tetrahydrothienopyridyl group which may  
have a substituent, a thiazolopyridyl group which may have  
a substituent, a tetrahydrothiazolopyridyl group which may  
have a substituent, a thiazolopyridazinyl group which may  
20 have a substituent, a tetrahydrothiazolopyridazinyl group  
which may have a substituent, a pyrrolopyridyl group which  
may have a substituent, a dihydropyrrolopyridyl group  
which may have a substituent, a tetrahydropyrrolopyridyl  
group which may have a substituent, a pyrrolopyrimidinyl  
25 group which may have a substituent, a  
dihydropyrrolopyrimidinyl group which may have a  
substituent, a pyridoquinazolinyl group which may have a



substituent, a dihydropyridoquinazolinyl group which may have a substituent, a pyridopyrimidinyl group which may have a substituent, a tetrahydropyridopyrimidinyl group which may have a substituent, a pyranothiazolyl group which may have a substituent, a dihydropyranothiazolyl group which may have a substituent, a furopyridyl group which may have a substituent, a tetrahydrofuropyridyl group which may have a substituent, an oxazolopyridyl group which may have a substituent, a tetrahydrooxazolopyridyl group which may have a substituent, an oxazolopyridazinyl group which may have a substituent, a tetrahydrooxazolopyridazinyl group which may have a substituent, a pyrrolothiazolyl group which may have a substituent, a dihydropyrrolothiazolyl group which may have a substituent, a pyrrolooxazolyl group which may have a substituent, a dihydropyrrolooxazolyl group which may have a substituent, a thienopyrrolyl group which may have a substituent, a thiazolopyrimidinyl group which may have a substituent, a 4-oxo-tetrahydrocinnolinyl group which may have a substituent, a 1,2,4-benzothiadiazinyl group which may have a substituent, a 1,1-dioxy-2H-1,2,4-benzothiadiazinyl group which may have a substituent, a 1,2,4-benzoxadiazinyl group which may have a substituent, a cyclopentapyranyl group which may have a substituent, a thienofuranyl group which may have a substituent, a furopyranyl group which may have a substituent, a pyridoxazinyl group which may have a substituent, a

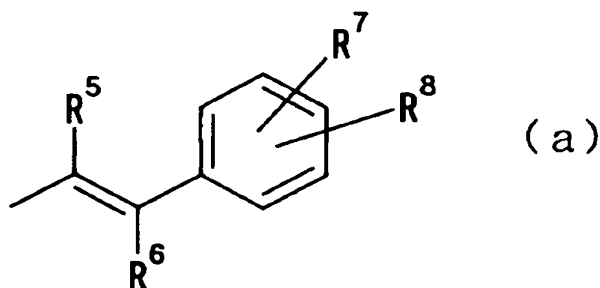
pyrazoloxazolyl group which may have a substituent, an  
imidazothiazolyl group which may have a substituent, an  
imidazopyridyl group which may have a substituent, a  
tetrahydroimidazopyridyl group which may have a  
5 substituent, a pyrazinopyridazinyl group which may have a  
substituent, a benzoisoquinolyl group which may have a  
substituent, a furocinnolyl group which may have a  
substituent, a pyrazolothiazolopyridazinyl group which may  
have a substituent, a  
10 tetrahydropyrazolothiazolopyridazinyl group which may have  
a substituent, a hexahydrothiazolopyridazinopyridazinyl  
group which may have a substituent, an imidazotriazinyl  
group which may have a substituent, an oxazolopyridyl  
group which may have a substituent, a benzoxepinyl group  
15 which may have a substituent, a benzoazepinyl group which  
may have a substituent, a tetrahydrobenzoazepinyl group  
which may have a substituent, a benzodiazepinyl group  
which may have a substituent, a benzotriazepinyl group  
which may have a substituent, a thienoazepinyl group which  
20 may have a substituent, a tetrahydrothienoazepinyl group  
which may have a substituent, a thienodiazepinyl group  
which may have a substituent, a thienotriazepinyl group  
which may have a substituent, a thiazoloazepinyl group  
which may have a substituent, a tetrahydrothiazoloazepinyl  
25 group which may have a substituent, a 4,5,6,7-tetrahydro-  
5,6-tetramethylenethiazolopyridazinyl group which may have  
a substituent, and a 5,6-trimethylene-4,5,6,7-

tetrahydrothiazolopyridazinyl group which may have a substituent.

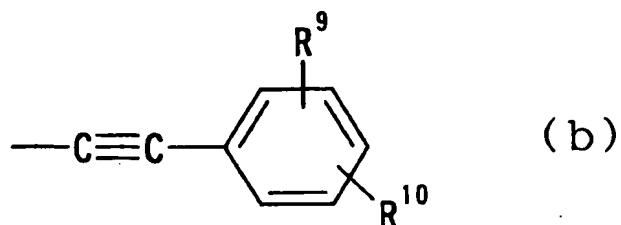
3. A compound or salt thereof, solvate thereof, or N-oxide thereof according to Claim 1 or 2, wherein the  
5 substituent(s) on the group Q<sup>4</sup> are 1 to 3 substituents selected from a hydroxyl group; halogen atoms; halogenoalkyl groups; an amino group; a cyano group; aminoalkyl groups; a nitro group; hydroxyalkyl groups; alkoxyalkyl groups; a carboxyl group; carboxyalkyl groups;  
10 alkoxycarbonylalkyl groups; acyl groups; an amidino group; a hydroxyamidino group; linear, branched or cyclic alkyl groups having 1 to 6 carbon atoms; linear, branched or cyclic alkoxy groups having 1 to 6 carbon atoms; amidino groups substituted by a linear, branched or cyclic alkyl  
15 group having 1 to 6 carbon atoms; amidino groups substituted by a linear, branched or cyclic alkoxy group having 1 to 6 carbon atoms; amidino groups substituted by a linear, branched or cyclic alkoxycarbonyl group having 2 to 7 carbon atoms; linear, branched or cyclic alkenyl  
20 groups having 2 to 6 carbon atoms; linear or branched alkynyl groups having 2 to 6 carbon atoms; linear, branched or cyclic alkoxycarbonyl groups having 2 to 6 carbon atoms; a carbamoyl group; mono- or di-alkylcarbamoyl groups substituted by a linear, branched or  
25 cyclic alkyl group having 1 to 6 carbon atoms on the nitrogen atom thereof; mono- or di-alkylamino groups substituted by a linear, branched or cyclic alkyl group

having 1 to 6 carbon atoms; and 5- or 6-membered nitrogen-containing heterocyclic groups.

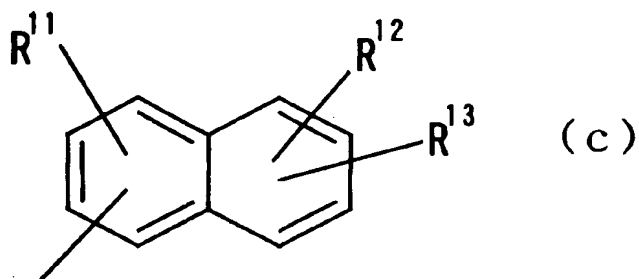
4. A compound or salt thereof, solvate thereof, or N-oxide thereof according to Claim 1, wherein the group Q<sup>4</sup> represents any of the following groups:



wherein, R<sup>5</sup> and R<sup>6</sup> each independently represents a hydrogen atom, cyano group, halogen atom, alkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, or phenyl group which may be substituted by a cyano group, hydroxyl group, halogen atom, alkyl group or alkoxy group, and R<sup>7</sup> and R<sup>8</sup> each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

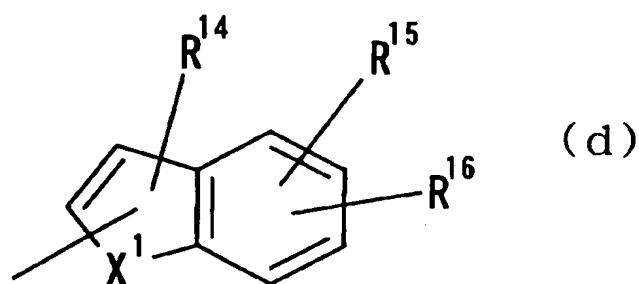


wherein,  $R^9$  and  $R^{10}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

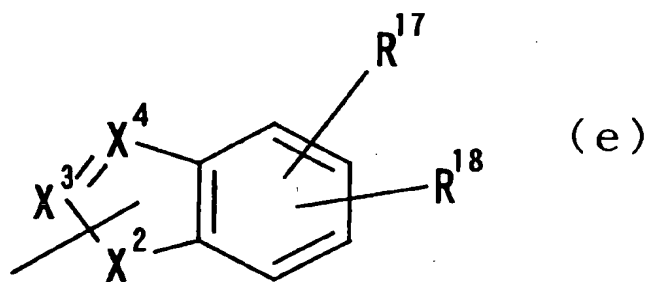


wherein,  $R^{11}$ ,  $R^{12}$  and  $R^{13}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group,

alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

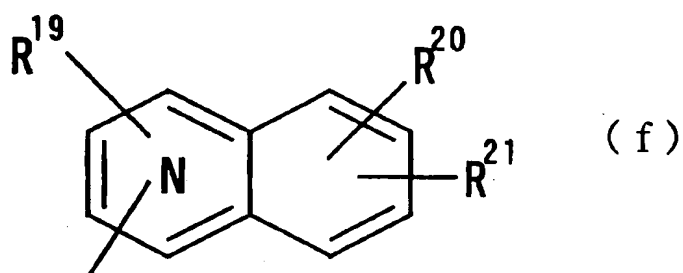


wherein,  $X^1$  represents  $CH_2$ ,  $CH$ ,  $NH$ ,  $NOH$ ,  $N$ ,  $O$  or  $S$ , and  $R^{14}$ ,  
 5  $R^{15}$  and  $R^{16}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group,  
 10 acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

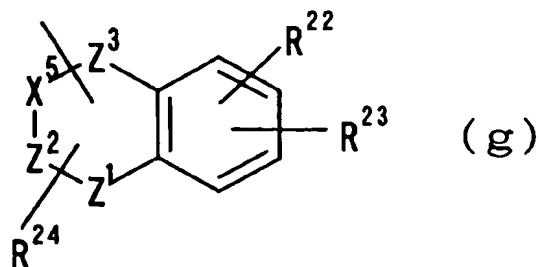


wherein,  $X^2$  represents  $NH$ ,  $N$ ,  $O$  or  $S$ ,  $X^3$  represents  $N$ ,  $C$  or  
 15  $CH$ ,  $X^4$  represents  $N$ ,  $C$  or  $CH$ , and  $R^{17}$  and  $R^{18}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl

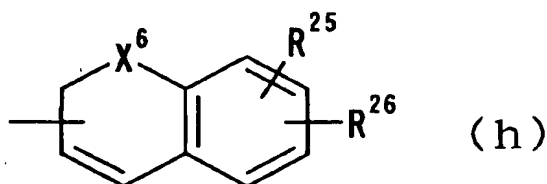
group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, 5 alkoxy carbonyl group, amidino group or alkoxy carbonylalkyl group, excluding the cases where  $X^3$  and  $X^4$  are combinations of C and CH, and are both C or CH;



wherein, N indicates that 1 or 2 carbon atoms of the ring 10 substituted by  $R^{19}$  have been substituted by a nitrogen atom, and  $R^{19}$ ,  $R^{20}$  and  $R^{21}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, 15 alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxy carbonyl group, amidino group or alkoxy carbonylalkyl group;



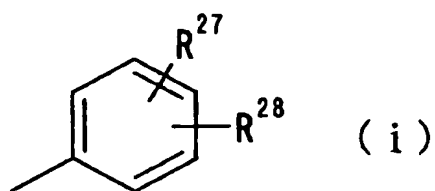
wherein,  $X^5$  represents  $CH_2$ ,  $CH$ ,  $N$  or  $NH$ ,  $Z^1$  represents  $N$ ,  $NH$  or  $O$ ,  $Z^2$  represents  $CH_2$ ,  $CH$ ,  $C$  or  $N$ ,  $Z^3$  represents  $CH_2$ ,  $CH$ ,  $S$ ,  $SO_2$  or  $C=O$ ,  $X^5-Z^2$  indicates that  $X^5$  and  $Z^2$  are bonded to each other by a single bond or double bond,  $R^{22}$  and  $R^{23}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group, and  $R^{24}$  represents a hydrogen atom or alkyl group;



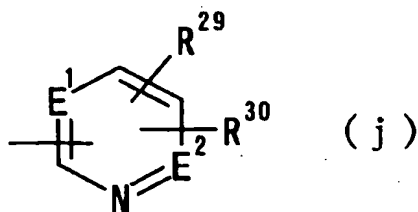
wherein,  $X^6$  represents  $O$  or  $S$ , and  $R^{25}$  and  $R^{26}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group,



hydroxyalkyl group, alkoxy group, alkoxyalkyl group,  
 carboxyl group, carboxyalkyl group, acyl group, carbamoyl  
 group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group,  
 alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl  
 group;

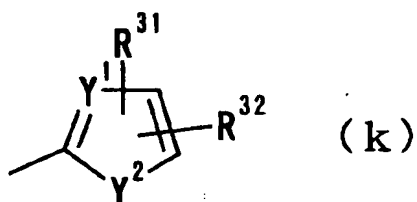


wherein,  $R^{27}$  and  $R^{28}$  each independently represents a  
 hydrogen atom, hydroxyl group, nitro group, amino group,  
 cyano group, halogen atom, alkyl group, alkenyl group,  
 alkynyl group, halogenoalkyl group, hydroxyalkyl group,  
 alkoxy group, alkoxyalkyl group, carboxyl group,  
 carboxyalkyl group, acyl group, carbamoyl group, N-  
 alkylcarbamoyl group, N,N-dialkylcarbamoyl group,  
 alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl  
 group;

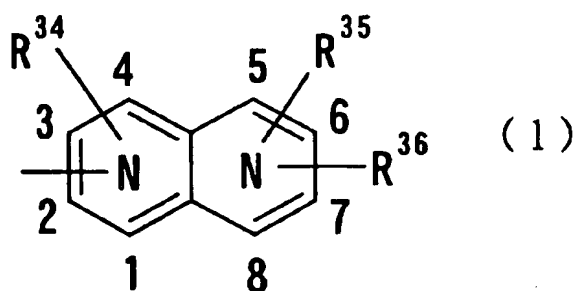


wherein,  $E^1$  and  $E^2$  each independently represents N or CH,  
 and  $R^{29}$  and  $R^{30}$  each independently represents a hydrogen  
 atom, hydroxyl group, nitro group, amino group, cyano

group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group;

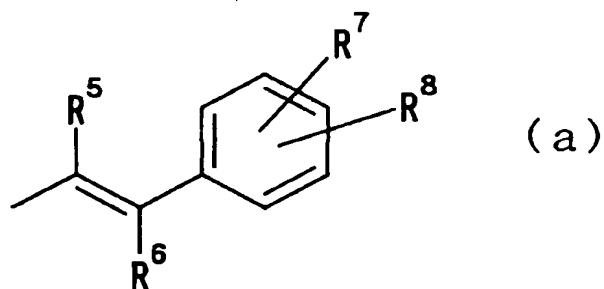


wherein,  $Y^1$  represents CH or N,  $Y^2$  represents  $-N(R^{33})-$  (in which,  $R^{33}$  represents a hydrogen atom or alkyl group having 1 to 6 carbon atoms), O or S, and  $R^{31}$  and  $R^{32}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group; and

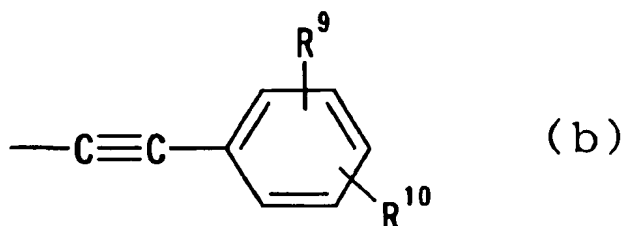


wherein, numerals 1 to 8 indicate positions, each N indicates that any one of carbon atoms of positions 1 to 4 and any one of carbon atoms of positions 5 to 8 have each been substituted by a nitrogen atom, and  $R^{34}$ ,  $R^{35}$  and  $R^{36}$  each independently represents a hydrogen atom, hydroxyl group, nitro group, amino group, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group, halogenoalkyl group, hydroxyalkyl group, alkoxy group, alkoxyalkyl group, carboxyl group, carboxyalkyl group, acyl group, carbamoyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group, alkoxycarbonyl group, amidino group or alkoxycarbonylalkyl group.

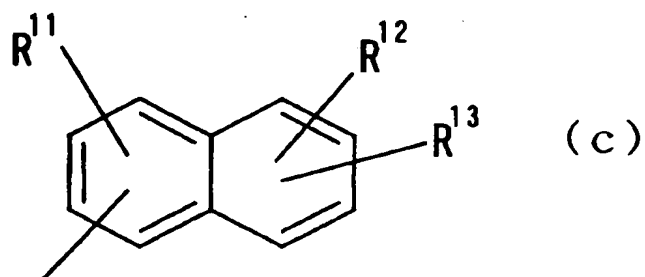
5. A compound or salt thereof, solvate thereof, or N-oxide thereof according to Claim 1, wherein the group  $Q^4$  represents any of the following groups:



wherein,  $R^5$  and  $R^6$  each independently represents a hydrogen atom or alkyl group,  $R^7$  represents a hydrogen atom, and  $R^8$  represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;

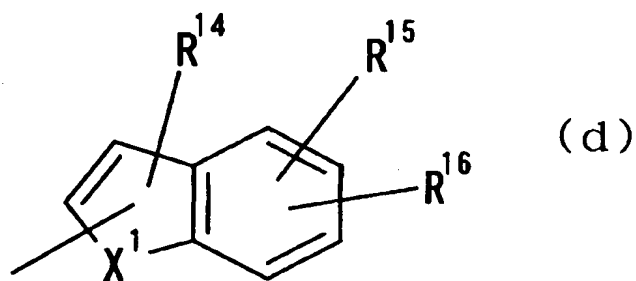


wherein,  $R^9$  represents a hydrogen atom, and  $R^{10}$  represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



5

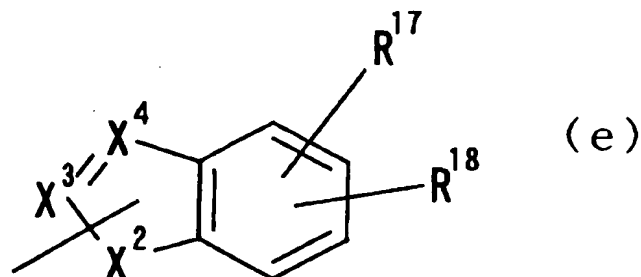
wherein,  $R^{11}$  and  $R^{12}$  each represents a hydrogen atom, and  $R^{13}$  represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



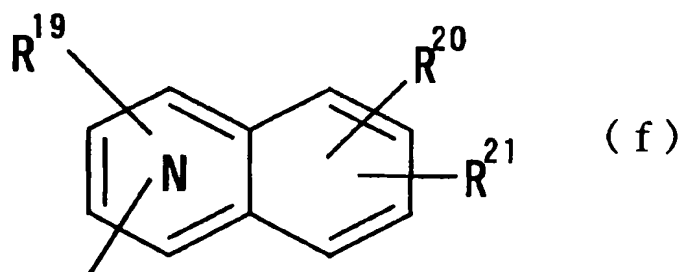
10

wherein,  $X^1$  represents NH, NOH, N, O or S,  $R^{14}$  represents a hydrogen atom, halogen atom, acyl group, N-alkylcarbamoyl group, N,N-dialkylcarbamoyl group or alkyl group,  $R^{15}$  represents a hydrogen atom or halogen atom, and  $R^{16}$

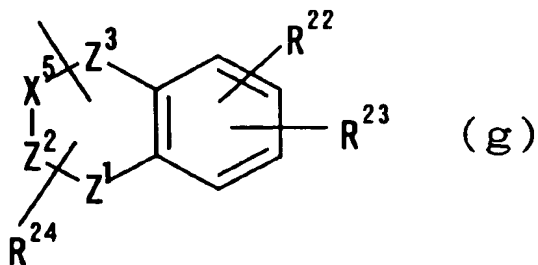
represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



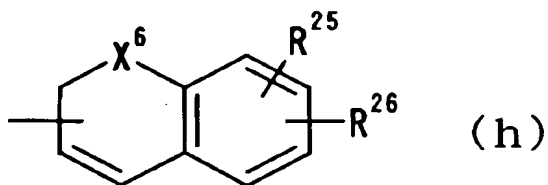
wherein, X<sup>2</sup> represents NH, O or S, X<sup>3</sup> represents N, C or CH, X<sup>4</sup> represents N, C or CH, R<sup>17</sup> represents a hydrogen atom, and R<sup>18</sup> represents a hydrogen atom, halogen atom, alkyl group or alkynyl group, excluding the cases where X<sup>3</sup> and X<sup>4</sup> are combinations of C and CH, and are both C or CH;



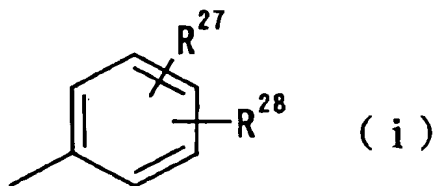
wherein, N indicates that 1 or 2 carbon atoms of the ring substituted by R<sup>19</sup> have been substituted by a nitrogen atom, R<sup>19</sup> and R<sup>20</sup> each represents a hydrogen atom, and R<sup>21</sup> represents a hydrogen atom, cyano group, halogen atom, alkyl group, alkenyl group, alkynyl group or halogenoalkyl group;



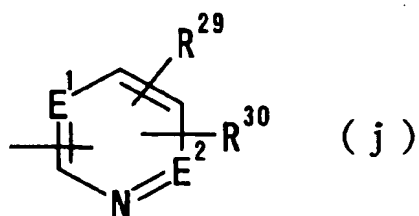
wherein,  $X^5$  represents  $CH_2$ ,  $CH$ ,  $N$  or  $NH$ ,  $Z^1$  represents  $N$ ,  $NH$  or  $O$ ,  $Z^2$  represents  $CH_2$ ,  $CH$ ,  $C$  or  $N$ ,  $Z^3$  represents  $CH_2$ ,  $CH$ ,  $S$ ,  $SO_2$  or  $C=O$ ,  $X^5-Z^2$  indicates that  $X^5$  and  $Z^2$  are bonded to each other by a single bond or double bond,  $R^{22}$  represents a hydrogen atom,  $R^{23}$  represents a hydrogen atom, halogen atom, alkyl group or alkynyl group, and  $R^{24}$  represents a hydrogen atom;



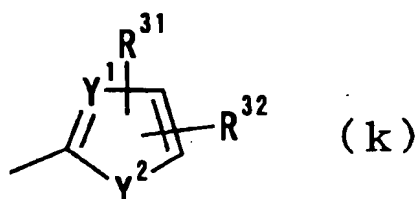
wherein,  $X^6$  represents  $O$ ,  $R^{25}$  represents a hydrogen atom, and  $R^{26}$  represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



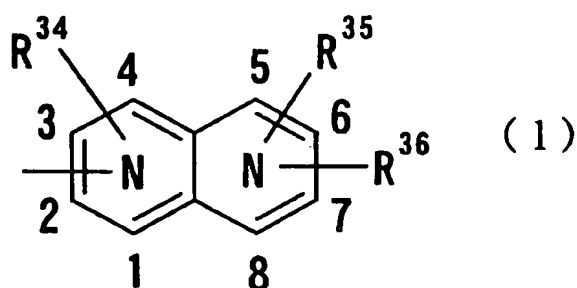
wherein,  $R^{27}$  represents a hydrogen atom or halogen atom, and  $R^{28}$  represents a hydrogen atom, halogen atom, alkyl group or alkynyl group;



wherein, E<sup>1</sup> and E<sup>2</sup> each independently represents N or CH,  
R<sup>29</sup> represents a hydrogen atom or halogen atom, and R<sup>30</sup>  
represents a hydrogen atom, halogen atom, alkyl group or  
5 alkynyl group;



wherein, Y<sup>1</sup> represents CH or N, Y<sup>2</sup> represents -N(R<sup>33</sup>)- (in  
which, R<sup>33</sup> represents a hydrogen atom or alkyl group having  
1 to 6 carbon atoms), O or S, R<sup>31</sup> represents a hydrogen  
atom or halogen atom, and R<sup>32</sup> represents a hydrogen atom,  
10 halogen atom, alkyl group or alkynyl group; and



wherein, numerals 1 to 8 indicate positions, each N  
indicates that any one of carbon atoms of positions 1 to 4  
and any one of carbon atoms of positions 5 to 8 have each  
15 been substituted by a nitrogen atom, R<sup>34</sup> represents a

hydrogen atom or halogen atom, R<sup>35</sup> represents a hydrogen atom or halogen atom, and R<sup>36</sup> represents a hydrogen atom, halogen atom, alkyl group or alkynyl group.

6. A compound or salt thereof, solvate thereof, or  
5 N-oxide thereof according to any one of claims 1 to 3,  
wherein the group Q<sup>4</sup> in the formula (1) is a 4-chlorostyryl,  
4-fluorostyryl, 4-bromostyryl, 4-ethynylstyryl, 4-  
chlorophenylethynyl, 4-fluorophenylethynyl, 4-  
bromophenylethynyl, 4-ethynylphenylethynyl, 6-chloro-2-  
10 naphthyl, 6-fluoro-2-naphthyl, 6-bromo-2-naphthyl, 6-  
ethynyl-2-naphthyl, 7-chloro-2-naphthyl, 7-fluoro-2-  
naphthyl, 7-bromo-2-naphthyl, 7-ethynyl-2-naphthyl, 5-  
chloroindol-2-yl, 5-fluoroindol-2-yl, 5-bromoindol-2-yl,  
5-ethynylindol-2-yl, 5-methylindol-2-yl, 5-chloro-4-  
15 fluoroindol-2-yl, 5-chloro-3-fluoroindol-2-yl, 3-bromo-5-  
chloroindol-2-yl, 3-chloro-5-fluoroindol-2-yl, 3-bromo-5-  
fluoroindol-2-yl, 5-bromo-3-chloroindol-2-yl, 5-bromo-3-  
fluoroindol-2-yl, 5-chloro-3-formylindol-2-yl, 5-fluoro-3-  
formylindol-2-yl, 5-bromo-3-formylindol-2-yl, 5-ethynyl-3-  
20 formylindol-2-yl, 5-chloro-3-(N,N-dimethylcarbamoyl)indol-  
2-yl, 5-fluoro-3-(N,N-dimethylcarbamoyl)indol-2-yl, 5-  
bromo-3-(N,N-dimethylcarbamoyl)indol-2-yl, 5-ethynyl-3-  
(N,N-dimethylcarbamoyl)indol-2-yl, 6-chloroindol-2-yl, 6-  
fluoroindol-2-yl, 6-bromoindol-2-yl, 6-ethynylindol-2-yl,  
25 6-methylindol-2-yl, 5-chlorobenzothiophen-2-yl, 5-  
fluorobenzothiophen-2-yl, 5-bromobenzothiophen-2-yl, 5-  
ethynylbenzothiophen-2-yl, 5-methylbenzothiophen-2-yl, 5-



chloro-4-fluorobenzothiophen-2-yl, 6-chlorobenzothiophen-  
 2-yl, 6-fluorobenzothiophen-2-yl, 6-bromobenzothiophen-2-  
 yl, 6-ethynylbenzothiophen-2-yl, 6-methylbenzothiophen-2-  
 yl, 5-chlorobenzofuran-2-yl, 5-fluorobenzofuran-2-yl, 5-  
 5 bromobenzofuran-2-yl, 5-ethynylbenzofuran-2-yl, 5-  
 methylbenzofuran-2-yl, 5-chloro-4-fluorobenzofuran-2-yl,  
 6-chlorobenzofuran-2-yl, 6-fluorobenzofuran-2-yl, 6-  
 bromobenzofuran-2-yl, 6-ethynylbenzofuran-2-yl, 6-  
 methylbenzofuran-2-yl, 5-chlorobenzimidazol-2-yl, 5-  
 10 fluorobenzimidazol-2-yl, 5-bromobenzimidazol-2-yl, 5-  
 ethynylbenzimidazol-2-yl, 6-chloroquinolin-2-yl, 6-  
 fluoroquinolin-2-yl, 6-bromoquinolin-2-yl, 6-  
 ethynylquinolin-2-yl, 7-chloroquinolin-3-yl, 7-  
 fluoroquinolin-3-yl, 7-bromoquinolin-3-yl, 7-  
 15 ethynylquinolin-3-yl, 7-chloroisoquinolin-3-yl, 7-  
 fluoroisoquinolin-3-yl, 7-bromoisoquinolin-3-yl, 7-  
 ethynylisoquinolin-3-yl, 7-chlorocinnolin-3-yl, 7-  
 fluorocinnolin-3-yl, 7-bromocinnolin-3-yl, 7-  
 ethynylcinnolin-3-yl, 7-chloro-2H-chromen-3-yl, 7-fluoro-  
 20 2H-chromen-3-yl, 7-bromo-2H-chromen-3-yl, 7-ethynyl-2H-  
 chromen-3-yl, 6-chloro-4-oxo-1,4-dihydroquinolin-2-yl, 6-  
 fluoro-4-oxo-1,4-dihydroquinolin-2-yl, 6-bromo-4-oxo-1,4-  
 dihydroquinolin-2-yl, 6-ethynyl-4-oxo-1,4-dihydroquinolin-  
 2-yl, 6-chloro-4-oxo-1,4-dihydroquinazolin-2-yl, 6-fluoro-  
 25 4-oxo-1,4-dihydroquinazolin-2-yl, 6-bromo-4-oxo-1,4-  
 dihydroquinazolin-2-yl, 6-ethynyl-4-oxo-1,4-  
 dihydroquinazolin-2-yl, phenyl, 4-chlorophenyl, 4-

fluorophenyl, 4-bromophenyl, 4-ethynylphenyl, 3-  
 chlorophenyl, 3-fluorophenyl, 3-bromophenyl, 3-  
 ethynylphenyl, 3-chloro-4-fluorophenyl, 4-chloro-3-  
 fluorophenyl, 4-chloro-2-fluorophenyl, 2-chloro-4-  
 5 fluorophenyl, 4-bromo-2-fluorophenyl, 2-bromo-4-  
 fluorophenyl, 2,4-dichlorophenyl, 2,4-difluorophenyl, 2,4-  
 dibromophenyl, 4-chloro-3-methylphenyl, 4-fluoro-3-  
 methylphenyl, 4-bromo-3-methylphenyl, 4-chloro-2-  
 methylphenyl, 4-fluoro-2-methylphenyl, 4-bromo-2-  
 10 methylphenyl, 3,4-dichlorophenyl, 3,4-difluorophenyl, 3,4-  
 dibromophenyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, 4-chloro-  
 2-pyridyl, 4-fluoro-2-pyridyl, 4-bromo-2-pyridyl, 4-  
 ethynyl-2-pyridyl, 4-chloro-3-pyridyl, 4-fluoro-3-pyridyl,  
 4-bromo-3-pyridyl, 4-ethynyl-3-pyridyl, 5-chloro-2-pyridyl,  
 15 5-fluoro-2-pyridyl, 5-bromo-2-pyridyl, 5-ethynyl-2-pyridyl,  
 4-chloro-5-fluoro-2-pyridyl, 5-chloro-4-fluoro-2-pyridyl,  
 5-chloro-3-pyridyl, 5-fluoro-3-pyridyl, 5-bromo-3-pyridyl,  
 5-ethynyl-3-pyridyl, 6-chloro-3-pyridazinyl, 6-fluoro-3-  
 pyridazinyl, 6-bromo-3-pyridazinyl, 6-ethynyl-3-  
 20 pyridazinyl, 5-chloro-2-thiazolyl, 5-fluoro-2-thiazolyl,  
 5-bromo-2-thiazolyl, 5-ethynyl-2-thiazolyl, 2-  
 chlorothieno[2,3-b]pyrrol-5-yl, 2-fluorothieno[2,3-  
 b]pyrrol-5-yl, 2-bromothieno[2,3-b]pyrrol-5-yl or 2-  
 ethynylthieno[2,3-b]pyrrol-5-yl group.

25           7. A compound or salt thereof, solvate thereof, or  
 N-oxide thereof according to any one of claims 1 to 6,  
 wherein the group Q<sup>1</sup> in the formula (1) is a saturated or

unsaturated, bicyclic or tricyclic fused hydrocarbon group which may have a substituent, or a saturated or unsaturated, bicyclic or tricyclic fused heterocyclic group which may have a substituent.

5           8. A compound or salt thereof, solvate thereof, or N-oxide thereof according to any one of claims 1 to 6, wherein the group  $Q^1$  in the formula (1) is a thienopyridyl group which may have a substituent, tetrahydrothienopyridyl group which may have a substituent,  
10   thiazolopyridyl group which may have a substituent, tetrahydrothiazolopyridyl group which may have a substituent, thiazolopyridazinyl group which may have a substituent, tetrahydrothiazolopyridazinyl group which may have a substituent, pyranothiazolyl group which may have a  
15   substituent, dihydropyranothiazolyl group which may have a substituent, furopyridyl group which may have a substituent, tetrahydrofuropyridyl group which may have a substituent, oxazolopyridyl group which may have a substituent, tetrahydrooxazolopyridyl group which may have  
20   a substituent, pyrrolopyridyl group which may have a substituent, dihydropyrrolopyridyl group which may have a substituent, tetrahydropyrrolopyridyl group which may have a substituent, pyrrolopyrimidinyl group which may have a substituent, dihydropyrrolopyrimidinyl group which may  
25   have a substituent, oxazolopyridazinyl group which may have a substituent, tetrahydrooxazolopyridazinyl group which may have a substituent, pyrrolothiazolyl group which

may have a substituent, dihydropyrrolothiazolyl group  
which may have a substituent, pyrrolooxazolyl group which  
may have a substituent, dihydropyrrolooxazolyl group which  
may have a substituent, benzothiazolyl group which may  
5 have a substituent, tetrahydrobenzothiazolyl group which  
may have a substituent, thiazolopyrimidinyl group which  
may have a substituent, dihydrothiazolopyrimidinyl group  
which may have a substituent, benzoazepinyl group which  
may have a substituent, tetrahydrobenzoazepinyl group  
10 which may have a substituent, thiazoloazepinyl group which  
may have a substituent, tetrahydrothiazoloazepinyl group  
which may have a substituent, thienoazepinyl group which  
may have a substituent, tetrahydrothienoazepinyl group  
which may have a substituent, 4,5,6,7-tetrahydro-5,6-  
15 tetramethylenethiazolopyridazinyl group which may have a  
substituent, or 5,6-trimethylene-4,5,6,7-  
tetrahydrothiazolopyridazinyl group which may have a  
substituent.

9. A compound or salt thereof, solvate thereof, or  
20 N-oxide thereof according to any one of claims 1 to 8,  
wherein the substituent(s) on the group  $Q^1$  are 1 to 3  
substituents selected from a hydroxyl group, halogen atoms,  
halogenoalkyl groups, an amino group, a cyano group, an  
amidino group, a hydroxyamidino group,  $C_1$ - $C_6$  alkyl groups,  
25  $C_3$ - $C_6$  cycloalkyl- $C_1$ - $C_6$  alkyl groups, hydroxy- $C_1$ - $C_6$  alkyl  
groups,  $C_1$ - $C_6$  alkoxy groups,  $C_1$ - $C_6$  alkoxy- $C_1$ - $C_6$  alkyl group,  
a carboxyl group,  $C_2$ - $C_6$  carboxyalkyl groups,  $C_2$ - $C_6$

alkoxycarbonyl-C<sub>1</sub>-C<sub>6</sub> alkyl groups, amidino groups substituted by a C<sub>2</sub>-C<sub>6</sub> alkoxycarbonyl group, C<sub>2</sub>-C<sub>6</sub> alkenyl groups, C<sub>2</sub>-C<sub>6</sub> alkynyl groups, C<sub>2</sub>-C<sub>6</sub> alkoxycarbonyl groups, amino-C<sub>1</sub>-C<sub>6</sub> alkyl groups, C<sub>1</sub>-C<sub>6</sub> alkylamino-C<sub>1</sub>-C<sub>6</sub> alkyl groups, di(C<sub>1</sub>-C<sub>6</sub> alkyl)amino-C<sub>1</sub>-C<sub>6</sub> alkyl groups, C<sub>2</sub>-C<sub>6</sub> alkoxycarbonylamino-C<sub>1</sub>-C<sub>6</sub> alkyl groups, C<sub>1</sub>-C<sub>6</sub> alkanoyl groups, C<sub>1</sub>-C<sub>6</sub> alkanoylamino-C<sub>1</sub>-C<sub>6</sub> alkyl groups, C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl groups, C<sub>1</sub>-C<sub>6</sub> alkylsulfonylamino-C<sub>1</sub>-C<sub>6</sub> alkyl groups, a carbamoyl group, C<sub>1</sub>-C<sub>6</sub> alkylcarbamoyl groups, N,N-di(C<sub>1</sub>-C<sub>6</sub> alkyl)carbamoyl groups, C<sub>1</sub>-C<sub>6</sub> alkylamino groups, di(C<sub>1</sub>-C<sub>6</sub> alkyl)amino groups, an aminosulfonyl group, arylsulfonyl groups, arylcarbonyl groups which may be substituted by a halogen atom or the like, C<sub>2</sub>-C<sub>6</sub> alkoxycarbonyl(C<sub>1</sub>-C<sub>6</sub> alkyl)amino-C<sub>1</sub>-C<sub>6</sub> alkyl groups, C<sub>1</sub>-C<sub>6</sub>-alkylsulfonyl-C<sub>1</sub>-C<sub>6</sub> alkyl groups, 5- or 6-membered heterocyclic groups each containing one or two atoms, which may be the same or different, selected from nitrogen, oxygen and sulfur atoms, 5- or 6-membered heterocyclic-C<sub>1</sub>-C<sub>4</sub> alkyl groups, 5- or 6-membered heterocyclic-carbonyl groups, 5- or 6-membered heterocyclic-amino-C<sub>1</sub>-C<sub>4</sub> alkyl groups, 5- or 6-membered heterocyclic-amino groups, 5- or 6-membered heterocyclic-oxy groups, 3- to 6-membered heterocyclic-carbonyl-C<sub>1</sub>-C<sub>4</sub> alkyl groups and 5- or 6-membered heterocyclic-(C<sub>1</sub>-C<sub>6</sub> alkyl)amino-C<sub>1</sub>-C<sub>4</sub> alkyl groups.

10. A compound or salt thereof, solvate thereof, or N-oxide thereof according to any one of claims 1 to 9, wherein the group T<sup>1</sup> in the formula (1) is a group -C(=O)-

C(=O)-N(R')-, group -C(=S)-C(=O)-N(R')-, group -C(=O)-C(=S)-N(R')- or group -C(=S)-C(=S)-N(R')- (in which, R' represents a hydrogen atom, hydroxyl group, alkyl group or alkoxy group).

- 5            11. A compound or salt thereof, solvate thereof, or N-oxide thereof according to any one of claims 1 to 10, wherein in the formula (1), the substituent R<sup>3a</sup>, R<sup>3b</sup>, R<sup>3c</sup>, R<sup>3d</sup>, R<sup>3e</sup>, R<sup>3f</sup>, R<sup>4a</sup>, R<sup>4b</sup>, R<sup>4c</sup>, R<sup>4d</sup>, R<sup>4e</sup> and R<sup>4f</sup> in the group Q<sup>3</sup> each independently represents a hydrogen atom, hydroxyl  
10 group, alkyl group, alkenyl group, alkynyl group, halogen atom, halogenoalkyl group, amino group, aminoalkyl group, N-alkylaminoalkyl group, N,N-dialkylaminoalkyl group, acyl group, acylalkyl group, acylamino group which may have a substituent, acylaminoalkyl group, alkoxy group,  
15 alkoxyalkyl group, hydroxyalkyl group, carboxyl group, carboxyalkyl group, alkoxycarbonyl group, alkoxycarbonylalkyl group, alkoxycarbonylamino group, alkoxycarbonylaminoalkyl group, carbamoyl group, N-alkylcarbamoyl group which may have a substituent on the  
20 alkyl group thereof, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s) thereof, N-alkenylcarbamoyl group, N-alkenylcarbamoylalkyl group, N-alkenyl-N-alkylcarbamoyl group, N-alkenyl-N-alkylcarbamoylalkyl group, N-alkoxycarbamoyl group, N-alkyl-N-alkoxycarbamoyl group, N-alkoxycarbamoylalkyl  
25 group, N-alkyl-N-alkoxycarbamoylalkyl group, carbazoyl group which may be substituted by 1 to 3 alkyl groups,

alkylsulfonyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may have a substituent, 3- to 6-membered heterocyclic carbonyloxyalkyl group which may have a substituent, carbamoylalkyl group, carbamoyloxyalkyl group, N-alkylcarbamoyloxyalkyl group, N,N-dialkylcarbamoyloxyalkyl group, N-alkylcarbamoylalkyl group which may have a substituent on the alkyl group(s) thereof, N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s) thereof, aryl group, 3- to 6-membered heterocyclic group which may have a substituent, alkylsulfonylamino group, alkylsulfonylaminoalkyl group, acyloxy group, acyloxyalkyl group, arylsulfonyl group, alkoxycarbonylalkylsulfonyl group, carboxyalkylsulfonyl group, alkoxycarbonylacyl group, carboxyacyl group, alkoxyalcyloxy carbonyl group, halogenoacyl group, N,N-dialkylaminoacyl group, acyloxyacyl group, hydroxyacyl group, alkoxyacyl group, alkoxyalkylsulfonyl group, N,N-dialkylcarbamoylacyl group, N,N-dialkylcarbamoylalkylsulfonyl group, alkylsulfonylacyl group, aminocarbothioyl group, N-alkylaminocarbothioyl group, N,N-dialkylaminocarbothioyl group, alkoxyalkyl(thiocarbonyl) group, alkylthioalkyl group or N-acyl-N-alkylaminoalkyl group.

12. A compound or salt thereof, solvate thereof, or N-oxide thereof according to any one of claims 1 to 11, wherein in the formula (1),  $m^1$ ,  $m^2$ ,  $m^3$  and  $m^4$  in the group

Q<sup>3</sup> each stands for O.

13. A compound or salt thereof, solvate thereof, or N-oxide thereof according to any one of claims 1 to 12, wherein in the formula (1), the substituent R<sup>3a</sup> in the group Q<sup>3</sup> represents a hydrogen atom, hydroxyl group, alkyl group, alkoxyalkyl group, hydroxyalkyl group, alkoxycarbonyl group, N-alkylcarbamoyl group which may have a substituent on the alkyl group thereof, N,N-dialkylcarbamoyl group which may have a substituent on the alkyl group(s) thereof, N-alkyl-N-alkoxycarbamoyl group, alkylsulfonylalkyl group, 3- to 6-membered heterocyclic carbonyl group which may have a substituent, N,N-dialkylcarbamoylalkyl group which may have a substituent on the alkyl group(s) thereof, aryl group, 3- to 6-membered heterocyclic group which may have a substituent, N-arylcarbamoyl group, N-(3- to 6-membered) heterocyclic carbamoyl group, alkylthioalkyl group or N-acyl-N-alkylaminoalkyl group; and R<sup>3f</sup>, R<sup>4a</sup> and R<sup>4f</sup> each represents a hydrogen atom or alkyl group.

14. A medicament comprising the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13.

15. An activated blood coagulation factor X inhibitor comprising the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13.

16. An anticoagulant comprising the compound or salt



thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13.

17. A preventive and/or therapeutic agent for thrombosis or embolism comprising the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13.

18. A preventive and/or therapeutic agent for cerebral infarction, cerebral embolism, myocardial infarction, angina pectoris, pulmonary infarction, pulmonary embolism, Buerger's disease, deep venous thrombosis, disseminated intravascular coagulation syndrome, thrombus formation after valve or joint replacement, thrombus formation and reocclusion after angioplasty, systemic inflammatory response syndrome (SIRS), multiple organ dysfunction syndrome (MODS), thrombus formation during extracorporeal circulation, or blood clotting upon blood drawing, which comprises the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13.

19. A pharmaceutical composition which comprises the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13 and a pharmaceutically acceptable carrier.

20. Use of the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13 for the preparation of a medicament.

21. Use of the compound or salt thereof, solvate

thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13 for the preparation of an activated blood coagulation factor X inhibitor.

22. Use of the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13 for the preparation of an anticoagulant.

23. Use of the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13 for the preparation of a thrombosis or embolism preventive and/or therapeutic agent.

24. Use of the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13 for the preparation of a preventive and/or therapeutic agent for cerebral infarction, cerebral embolism, myocardial infarction, angina pectoris, pulmonary infarction, pulmonary embolism, Buerger's disease, deep venous thrombosis, disseminated intravascular coagulation syndrome, thrombus formation after valve or joint replacement, thrombus formation and reocclusion after angioplasty, systemic inflammatory response syndrome (SIRS), multiple organ dysfunction syndrome (MODS), thrombus formation during extracorporeal circulation, or blood clotting upon blood drawing.

25. A treating method of thrombosis or embolism, which comprises administering an effective amount of the compound or salt thereof, solvate thereof, or N-oxide thereof as claimed in any one of Claims 1 to 13.

26. A treating method of cerebral infarction,  
cerebral embolism, myocardial infarction, angina pectoris,  
pulmonary infarction, pulmonary embolism, Buerger's  
disease, deep venous thrombosis, disseminated  
5 intravascular coagulation syndrome, thrombus formation  
after valve or joint replacement, thrombus formation and  
reocclusion after angioplasty, systemic inflammatory  
response syndrome (SIRS), multiple organ dysfunction  
syndrome (MODS), thrombus formation during extracorporeal  
10 circulation, or blood clotting upon blood drawing, which  
comprises administering an effective amount of the  
compound or salt thereof, solvate thereof, or N-oxide  
thereof as claimed in any one of Claims 1 to 13.